

AMENDMENTS**In the Claims:**

Please cancel claim 7. Please amend claims 1, 8, 13, 14, 21, 23, and 24 to appear as follows:

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1.(amended) An electrical connector assembly adapted for forming a mechanical and an electrical connection between a component and a substrate, said connector assembly comprising:
a first connector half having a first array of mating elements and adapted for connection to said substrate; and
a second connector half, for mating with said first connector half, said second connector half having a second array of mating elements adapted for connection with said component, and an array of electrical contacts corresponding electrically to said second array of mating elements and adapted for connection with said first connector;
whereby mating said first and second connector halves electrically connects said component to said substrate.

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8. (amended) An electrical connector assembly as recited in Claim 1, wherein said array of electrical contacts on said second connector half corresponds electrically to an array of ball type contact portions on said component.

13. (amended) An electrical connector assembly as recited in Claim 1, wherein the second array of mating elements and said array of electrical contacts on said second connector half are on opposing sides of said second connector half.

14. (amended) An electrical connector assembly adapted for forming a mechanical and an electrical connection between a component and a connector half, said connector assembly comprising:

B3 a connector half, for mating with another connector half, having an array of mating elements and an array of electrical contacts electrically corresponding to said array of mating elements; and

an electrical component having an array of ball type contact portions attached thereto corresponding to said array of mating elements.

21. (amended) A method of removably attaching an electronic device to a substrate, the electronic device having fusible elements thereon, the method comprising the steps of:

84 mounting a first connector to the substrate; and fusing said fusible elements on the electronic device to an array of mating elements on a second connector, said second connector having an array of contacts corresponding electrically to said array of mating elements, said array of contacts being mateable with said first connector;

wherein the electronic device is removably attached to the substrate without having to reflow the fusible elements.

23. (amended) The method of claim 21, wherein said second connector includes a housing having a recess in which a tail of each of said mating elements reside, and the fusing step at least partially occurs in said recess.

24. (amended) In a ball grid array connector engageable with a mating connector mounted to a substrate, the ball grid array connector having a housing, an array of contacts for connecting with the mating connector, an array of mating elements corresponding to the array of contacts, and fusible elements mounted to said contacts, wherein the improvement comprises said fusible elements being part of an electronic device so that said electronic device can removably attach to said substrate without having to reflow said fusible elements.

Please add claims 26 through 32 as follows:

26. (new) An electrical connector assembly comprising:

a first connector half having a first array of mating elements and adapted for semi-permanent connection to a substrate; and

a second connector half, for frictionally mating with said first connector half, said second connector half having a second array of mating elements adapted for semi-permanent connection with said component,

whereby frictionally mating said first and second connector halves electrically and mechanically connects said component to said substrate.

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27. (new) An electrical connector assembly as recited in Claim 26, wherein said first connector half is adapted for connection to said substrate via an array of ball type contact portions on said first connector half that form an electrical connection with an array of electrical contacts on said substrate by way of solder reflow.

28. (new) An electrical connector assembly as recited in Claim 26, wherein said second connector half connects to said component via an array of ball type contact portions on said component that form an electrical connection with an array of electrical contacts on said second connector half by way of solder reflow.

29. (new) An electrical connector assembly as recited in claim 26, wherein said first connector half comprises an

array of connector pairs projecting therefrom, and said second connector half comprises an array of projections, and when said first connector half and said second connector half are frictionally mated said array of projections frictionally interface with said array of connector pairs.

30. (new) An electrical connector assembly as recited in claim 29, wherein said connector pairs have an outwardly arced shape.

31. (new) An electrical connector assembly as recited in claim 29, wherein said connector pairs have rounded tips.

32. (new) An electrical connector assembly as recited in claim 29, wherein said connector pairs have substantially pointed tips.

A marked-up copy of claims 1, 8, 13, 14, 21, 23, 24, and 26 through 32 showing the changes relative to the previous versions of the claims, is provided as required under 37 C.F.R. § 1.121 on a separate sheet captioned "Version with Markings to Show Changes Made."